

<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	23862
<b>Description:</b> Mounting Bracket	<b>Part Number:</b>	D3367-1
<b>Dwg:</b> D3367 Rev. A	<b>Qty:</b>	62
<b>Ref:</b>		Page 1 of 1

Step	Location	Procedure	By	Date	Qty
1	DC	Issue Traveler	AP	05/07/05	12
2	PG	Issue P/O: <u>2008396</u> Email or Ship DXF file to vendor Laser Cut flat pattern per Dwg D3367 Possible Supplier: Industrial Laser Material release note is required	AP	05/07/05	12
3	RG	Receive and Inspect for transit damage Ensure material release note is attached	CL	05/09/19	13
4	QC6	Inspect dimensions as per Dwg D3367	2	05-10-06	13
5	GA	Deburr	SAD	05/10/23	13
6	GB	Form as per Dwg D3367	SB	05/10/26	12
7	QC5	Inspect work to Step 6	2	05-10-27	12
8	ST	Identify and Stock in WS cell	2	05-10-27	12
9	AC	Cost / part: _____	540	05-11-28	12
10	DC	Close W/O Inspect Level 21	LD	05/11/28	12

PTO  
E

Rev	Date	Change	Revised By	Approved
A	05.02.09	New issue	KJ/JLM	

RELEASED  
05/02/09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			
05/10/26	6	1 part was over Tolerance	AB 05-10-26	Scrap & destroy	[Signature] 05-10-27	[Signature] 05-10-27	[Signature] 05-10-27	[Signature] 05-10-27

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☐ No ☒ DQA: ☒ Date: 05/11/26

NOTE: Date & initial all entries

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

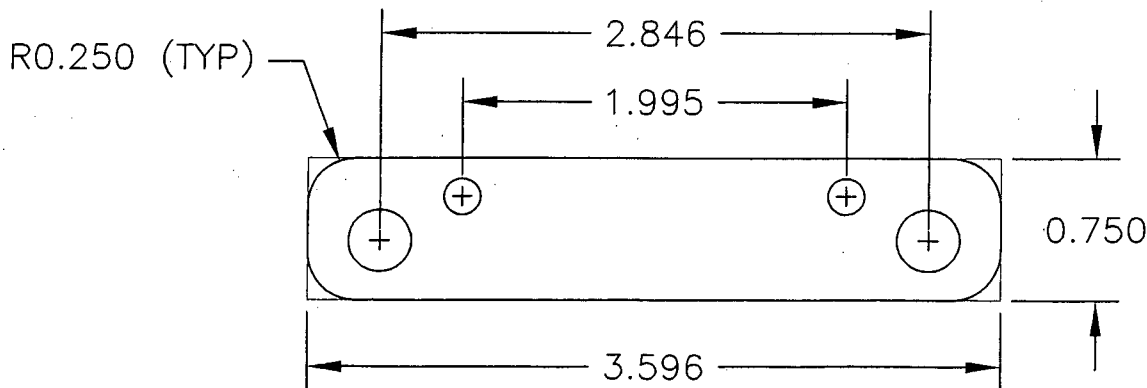
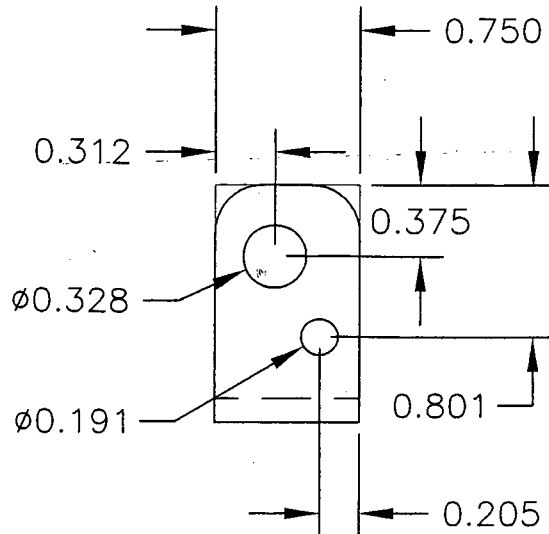
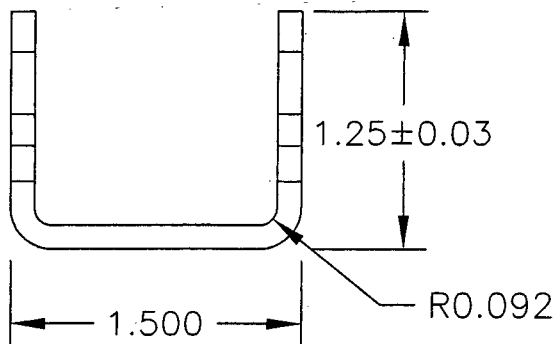


DESIGN PH	DRAWN BY PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D3367	REV. A SHEET 1 OF 1
DATE 04.12.07		TITLE MOUNTING BRACKET	SCALE 1:1
A	04.12.07	NEW ISSUE	

UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE

WORK ORDER

NO. 23862



#### D3367-1 NOTES

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR  
CSA G40-21,38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.120 THICK)  
(DART REF. M1010-S11GA)
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) ALL TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

RELEASED

04.12.16 [Signature]

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# Job Costing Report

Dart Aerospace Ltd.  
Hawkesbury

Jul 22, 2005  
07:41 am

Work Order No : 0023862  
Project Name : D3367-1  
Project For : WK532  
Work Order Type : Main  
Main WO Number :  
House Part Number : D3367-1  
Description : Mounting Bracket  
Manufactured : Yes  
Amount Req'd : 6  
Amount Done : 0  
Start Date : 07-21-05  
Est Finish Date :  
Act Finish Date :  
Drawings Req'd : No  
Ok for Approval :  
Approval Rec'd :

Department Code:  
Burden Flags : NNNNNNNN  
WO Status : Open  
Invoice State : Not Invoiced  
Invoice Date :  
Invoice Number :  
Invoice Amount : 0.00  
Order Entry No :  
OE Value : 0.00  
Est Mark Up : 0.000%  
Actual Mark Up : 0.000%  
\$0 Posted to Finished Goods

	Estimated	Actual	Var. %	Posted	To Post
Material Cost :	0.00	0.00	0.00	0.00	0.00
Engineering Hours :	0.00	0.00	0.00		
Engineering Cost :	0.00	0.00	0.00	0.00	0.00
Production Hours :	0.00	0.00	0.00		
Production Cost :	0.00	0.00	0.00	0.00	0.00
Packaging Hours :	0.00	0.00	0.00		
Packaging Cost :	0.00	0.00	0.00	0.00	0.00
OverHead Hours :	0.00	0.00	0.00		
OverHead Cost :	0.00	0.00	0.00	0.00	0.00
CNC Hours :	0.00	0.00	0.00		
CNC :	0.00	0.00	0.00	0.00	0.00
Misc. Hours :	0.00	0.00	0.00		
Misc. :	0.00	0.00	0.00	0.00	0.00
Burden :	0.00	0.00	0.00		
Total Cost :	0.00	0.00	0.00		
Mark up :	0.000	0.000			
Selling Cost :	0.00	0.00			

	Estimated	Actual
Labour Hrs/Amount Done :	0.00	0.00
Profits/(Loss) :	0.00	0.00



New Zealand Steel Limited  
Glenbrook, South Auckland  
Postal: Private Bag 92121, Auckland, New Zealand  
Telephones: (09) 375 8999 / 375 8111 Auckland  
(09) 235 8089 / 235 3535 Waiuku  
Fax: (09) 375 8959

## TEST CERTIFICATE

Ref: 5078/21788

CUSTOMER		Wilkinson		P50128ME003		SPECIFICATION		ASTMA1011 CS Type B		CERTIFICATE No		TC109570												
CUSTOMER O/N		90-31N-544				PRODUCT		HOT ROLLED PICKLED & OILED		PAGE		1 of 1												
MILL O/N		471702				DIMENSIONS		0.119" x 48" x Coil		DATE		23 April 2005												
PACK NUMBER	(Sample) HEAT No	CHEMICAL COMPOSITION PERCENT														MECHANICAL TESTS (TEST SPECIFICATION - ASTMA370)								
		C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	Al	B	N2	CE ( )	BEND	YIELD	T.S.	%ELONG	HARDNESS	r	LENGTH
		x100				x1000										x10000		x100	180°				G.L.=	( )
HP-959386-00	640944	5	1	19	12	20	12	18	19	1	5	1	1					Good						820
HP-959387-00	640944	5	1	19	12	20	12	18	19	1	5	1	1					Good						837
HP-959388-00	640944	5	1	19	12	20	12	18	19	1	5	1	1					Good						837
HP-959389-00	640944	5	1	19	12	20	12	18	19	1	5	1	1					Good						827

YIELD	GAUGE LENGTH (G.L.)				PLASTIC STRAIN RATIO (r)				IMPACT TEST			CARBON EQUIVALENT VALUE (CE)			
(A)=0.2% PROOF STRESS	(A)=200mm	(C)=80mm	(E)=2"		(A)=r0	(C)=r45			(A)=10mm x 10mm	(D)=2.5mm x 10mm	(E)=5mm x 10mm	(A)=C+Mn/8			(C)=C+Mn/8+Si/24
(B)=LOWER YIELD STRESS	(B)=50mm	(D)=5.65" So	(F)=8"		(B)=r90	(D)=(r0+r80+2r45)/4			(B)=7.5mm x 10mm			(B)=C+Mn/6+(Cr+V+Mo)/5+(Cu+Ni)/15			(D)=

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND INSPECTED  
WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION

APPROVED

*Atish Misra*  
QC METALLURIST

Date: Wednesday, 11/16/2005 1:15:13 PM  
 User: Linda Lacelle

## Process Sheet

<b>Customer</b> :	CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> :	MOUNTING BRACKET
<b>Job Number</b> :	23862		
<b>Estimate Number</b> :	10612		
<b>P.O. Number</b> :		<b>Part Number</b> :	D33671
<b>This Issue</b> :	11/16/2005	<b>S.O. No.</b> :	
<b>Prsht Rev.</b> :	NC	<b>Drawing Number</b> :	D3367 REV. A
<b>First Issue</b> :	//	<b>Project Number</b> :	
<b>Previous Run</b> :		<b>Drawing Revision</b> :	A
	<b>Type</b> :	<b>Material</b> :	
	PURCHASED PARTS	<b>Due Date</b> :	11/30/2005
<b>Written By</b> :		<b>Qty:</b>	12
<b>Checked &amp; Approved By</b> :		<b>Um:</b>	Each
<b>Comment</b> :	Est: A 05.02.09 New issue KJJ/JLM		

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	PG	PURCHASING
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**Comment:** PURCHASING

Issue P/O: \_\_\_\_\_  
 Email or Ship DXF file to vendor  
 Laser Cut flat pattern per Dwg D3367  
 Possible Supplier: Industrial Laser  
 Material release note is required

2.0	D33671F	Inventory
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**Comment:** Qty.: 1.0000 U(s)/Unit Total : 12.0000 U(s)  
 MOUNTING BRACKET

3.0	PACKAGING 1	PACKAGING RESOURCE #1
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**Comment:** PACKAGING RESOURCE #1  
 Recieve & Inspect for Transit Damage  
 Ensure Material Release Note is attached

4.0	QC6	DIMENSIONAL CHECK
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**Comment:** DIMENSIONAL CHECK

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
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**Comment:** SMALL & MEDIUM FAB RESOURCE 1  
 Deburr

Date: Wednesday, 11/16/2005 1:15:13 PM  
User: Linda Lacelle

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: MOUNTING BRACKET

Job Number: 23862

Part Number: D33671

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

BRAKE NC

NC BRAKE



Comment: NC BRAKE

Form as per Dwg D3367

7.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

8.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: \_\_\_\_\_

9.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

Job Completion



# Job Costing Report

Dart Aerospace Ltd.  
Hawkesbury

Nov 08, 2005  
10:41 am

Work Order No	: 0023862	Department Code:	
Project Name	: D3367-1	Burden Flags	: NNNNNNNN
Project For	: WK532	WO Status	: Open
Work Order Type	: Main	Invoice State	: Not Invoiced
Main WO Number	:	Invoice Date	:
House Part Number	: D3367-1	Invoice Number	:
Description	: Mounting Bracket	Invoice Amount	: 0.00
Manufactured	: Yes		
Amount Req'd	: 12	Order Entry No	:
Amount Done	: 0	OE Value	: 0.00
Start Date	: 07-21-05		
Est Finish Date	:	Est Margin	: 0.000%
Act Finish Date	:	Actual Margin	: 0.000%
Drawings Req'd	: No		
Ok for Approval	:		
Approval Rec'd	:	\$0 Posted to Finished Goods	

	Estimated	Actual	Var. %	Posted	To Post
Material Cost	0.00	25.63	100.00	0.00	25.63
Engineering Hours	0.00	0.00	0.00		
Engineering Cost	0.00	0.00	0.00	0.00	0.00
Production Hours	0.00	1.50	100.00		
Production Cost	0.00	36.16	100.00	0.00	36.16
Packaging Hours	0.00	0.00	0.00		
Packaging Cost	0.00	0.00	0.00	0.00	0.00
OverHead Hours	0.00	0.00	0.00		
OverHead Cost	0.00	0.00	0.00	0.00	0.00
CNC Hours	0.00	0.00	0.00		
CNC	0.00	0.00	0.00	0.00	0.00
Misc. Hours	0.00	0.00	0.00		
Misc.	0.00	0.00	0.00	0.00	0.00
Burden	0.00	0.00	0.00		
Total Cost	0.00	61.79	100.00		
Margin	0.000	0.000			
Selling Cost	0.00	61.79			

	Estimated	Actual
Labour Hrs/Amount Done	0.00	0.00
Profits/(Loss)	0.00	( -61.79)

*MS 4/B*  
*u*  
*11-16*